

Claims

What is claimed is:

1. A personal care monitoring system comprising:

2 a wetness sensor (45) configured to detect a wetness event occurring within an
associated diaper (80);

4 a human life sensor (40) configured to detect a presence of human life relative to
said associated diaper; and

6 a monitoring unit (15) comprising a system controller (25) in communication with
said wetness and human life sensors, wherein said system controller monitors said
8 wetness and human life sensors and generates data associated with detected wetness
events and presence of human life relative to said associated diaper.

2. The personal care monitoring system according to claim 1, said system
2 further comprising:

4 an external display unit (55) adapted to display said generated data associated with
said detected wetness events and presence of human life; and

6 a wireless transmitter (105) configured with said monitoring unit and in
communication with said system controller, wherein said wireless transmitter facilitates
communications between said monitoring unit and said external display unit, wherein said
8 communications includes said generated data associated with said detected wetness events
and presence of human life.

3. The personal care monitoring system according to claim 2, wherein said
2 wireless transmitter facilitates communications between said monitoring unit and an
external sensory alarm (50), wherein said external sensory alarm is responsive to a
4 detection of a wetness event.

4. The personal care monitoring system according to claim 1, said system
2 further comprising:
removable memory (35) configured with said monitoring unit and in
4 communication with said system controller, wherein said removable memory comprises
said generated data associated with said detected wetness events and presence of human
6 life.

5. The personal care monitoring system according to claim 1, wherein said
2 wetness and human life sensors are integrated into a single sensor device.

6. The personal care monitoring system according to claim 1, wherein said
2 wetness and human life sensors are at least partially embedded within said associated
diaper.

7. The personal care monitoring system according to claim 1, wherein said
2 wetness and human life sensors are disposed onto said associated diaper.

8. The personal care monitoring system according to claim 1, said system
2 further comprising:
a sensory alarm (50) configured with said monitoring unit and in communication
4 with said system controller, wherein said sensory alarm is responsive to a detection of a
wetness event.

9. A wearable article operable with a personal care monitoring system, said
2 article comprising:

4 a diaper (80) comprising a liquid impermeable layer having an interior surface and
an exterior surface;

6 a wetness sensor (45) configured with said diaper, wherein said wetness sensor is
adapted to detect a wetness event occurring within said diaper;

8 a human life sensor (40) configured with said diaper, wherein said human life
sensor is adapted to detect presence of human life relative to said diaper; and

10 wherein said wetness and human life sensors are adapted to responsively
communicate to an associated personal care monitoring unit (15), detected wetness events
and presence of human life relative to said diaper.

10. The article according to claim 9, wherein said personal care monitoring
2 unit is detachably connected to said diaper.

11. The article according to claim 9, wherein said personal care monitoring
2 unit is integrated with said diaper, and wherein said monitoring unit includes removable
memory (35) comprising data associated with said detected wetness events and presence
4 of human life.

12. The article according to claim 9, wherein said wetness and human life
2 sensors are integrated into a single sensor device.

13. The article according to claim 9, wherein said wetness and human life
2 sensors are at least partially embedded within said interior surface of said diaper.

14. The article according to claim 9, wherein said wetness and human life
2 sensors are disposed onto said interior surface of said diaper.

15. A personal care monitoring system comprising:
2 a means for detecting a wetness event (45) occurring within an associated diaper
(80);
4 a means for detecting a presence of human life (40) relative to said associated
diaper; and
6 a means for monitoring (15) and controlling (25) said wetness event detecting
means and said presence of human life detecting means, wherein said monitoring and
8 controlling means generates data associated with detected wetness events and a presence
of human life relative to said associated diaper.

16. The personal care monitoring system according to claim 15, said system
2 further comprising:
displaying means (55) configured with said monitoring and controlling means,
4 wherein said means for displaying is adapted to display said generated data associated
with said detected wetness events and presence of human life.

17. The personal care monitoring system according to claim 15, said system
2 further comprising:
removable memory means (35) configured with said monitoring and controlling
4 means, wherein said removable memory means comprises said generated data associated
with said detected wetness events and presence of human life.

18. A personal care monitoring system comprising:

2 a wetness sensor (45) configured to detect a wetness event occurring within an associated diaper (80);

4 a human life sensor (40) configured to detect a presence of human life relative to said associated diaper;

6 a monitoring unit (15) comprising a system controller (25) in communication with said wetness and human life sensors, wherein said system controller monitors said
8 wetness and human life sensors and generates data associated with detected wetness events and presence of human life relative to said associated diaper; and

10 a display unit (55) configured with said monitoring unit and in communication with said system controller, wherein said display unit is adapted to display said generated
12 data associated with said detected wetness events and presence of human life.

19. The personal care monitoring system according to claim 18, said system
2 further comprising:

4 a sensory alarm (55) configured with said monitoring unit and in communication with said system controller, wherein said sensory alarm is responsive whenever a
threshold amount of time has elapsed where no presence of human life relative to said
6 associated diaper has been detected by said human life sensor.

20. The personal care monitoring system according to claim 18, wherein said
2 system controller responsively provides data to said monitoring unit indicative of any instances where no presence of human life relative to said associated diaper has been
4 detected by said human life sensor.

21. The personal care monitoring system according to claim 18, said system
2 further comprising:

4 a user interface (85) configured with said monitoring unit and facilitating retrieval of said generated data associated with said detected wetness events and presence of human life.